Gel purification with the QiaPrep MinElute Gel Extraction kit

All centrifugation steps should be performed at 13000 rpm at 20 C.

Materials

- QiaPrep MinElute Gel Extraction kit
- MilliQ

Method

1. Cut out the needed parts with DNA from the gel using a razorblade.
2. Put the gel slices in eps.
3. Weigh the gel slices and add 3 x the weight volume (100 mg = 100 ul) buffer QG.
4. Incubate at 50 C to dissolve the gel slices completely.
5. Add 100 ul isopropanol.
6. Place a MinElute spin column into a 2 ml collection tube (provided).
7. Apply sample to the MinElute column and centrifuge for 1 minute. Discard the flow-through. For samples larger than 800 ul, simply load and spin again.
8. Add 500 ul buffer QG to the MinElute column and centrifuge for 1 minute. Discard flow-through.
9. Add 750 ul buffer PE to the MinElute column and centrifuge for 1 minute. Discard flow-through.
10. Centrifuge again for 1 minute.
11. Place each MinElute column into a clean 1.5 ml eppendorf tube. Add 10 ul of MilliQ to the column and leave for 1 minute. Then centrifuge for 1 minute.
12. Add another 5 ul of MilliQ to the column and again leave for 1 minute, centrifuge for 1 minute.